

Red Lake Labs



TIMING LIGHT GENERATORS

Red Lake MilliMite and MicroMilliMite Timing Light Generators produce accurately calibrated electrical pulse outputs at 10, 100, and 1,000 cycles per second for the specific purpose of triggering neon glow lamps for putting timing marks on films produced in high-speed or other roll-film cameras. The units are usable with any moving-film cameras having a compatible timing-lamp assembly.

While the outputs of the two models available are essentially identical, the MicroMilliMite, illustrated on the next page (Model MMTLG-2B), is designed to withstand the rigors of airborne or rocket-sled-borne operation. Its physical design is therefore very sturdy and its operation is from a nominal 28-v d-c power source.

The MilliMite, illustrated above (Model TLG-3) has proved itself as a unit that gives accuracy well within the working range of the technical requirements of normal high-speed photography at a cost less than half as much as that of otherwise competitive instruments.

Both models have solid-state components and externally selectable pulse rates. The MicroMilliMite has all components epoxied to the best-quality circuit board avail-

able, yet the components can be easily removed for servicing. The MilliMite has in addition a battery-check circuit with an indicating voltmeter. Use of a Zener diode automatically compensates for the voltage drop of an aging battery.

Simple removal of four screws and an electrical plug permits interchange of the 45-volt internal battery of the MilliMite with a corresponding 115-v a-c power supply and power cord, making the unit extremely versatile as to application.

FEATURES:

- *Designed for application—two models cover normal and rugged-service needs*
- *Solid-state components for reliability, compactness, and low power consumption*
- *Light—MilliMite, four pounds with battery; Micro-MilliMite, only one pound*
- *Versatile—three pulse rates cover all normal film speeds. MicroMilliMite for 28-v d-c operation; MilliMite either internal battery (45-v) or 115-v a-c.*

more ➤

continued

TIMING LIGHT GENERATORS

SPECIFICATIONS

Pulse Rates, externally selectable, cps

Pulse Widths, μ sec

Pulse Amplitudes, volts

Pulse-Rate Accuracy, at 75 F, per cent
(overall, -20 to +165 F, accuracy ± 1.0 per cent)

Pulse-Rate Adjustment

Pulse-Rate Monitor

Operating Power

Compensation for input voltage and
ambient temperature variations

Dimensions, inches

Weight, pounds

MilliMite

10, 100, 1,000
(other frequencies on special order)

150, 150, 50

900, 900, 700

0.2

Internal, screwdriver

Neon panel lamp

Internal battery or
115-v 50/60 cps a-c

Transistors and
zener diode

5 by 6 by 7

4

MicroMilliMite

10, 100, 1,000
(other frequencies on special order)

150, 150, 50

700, 700, 700

0.2

Internal, screwdriver

Neon panel lamp

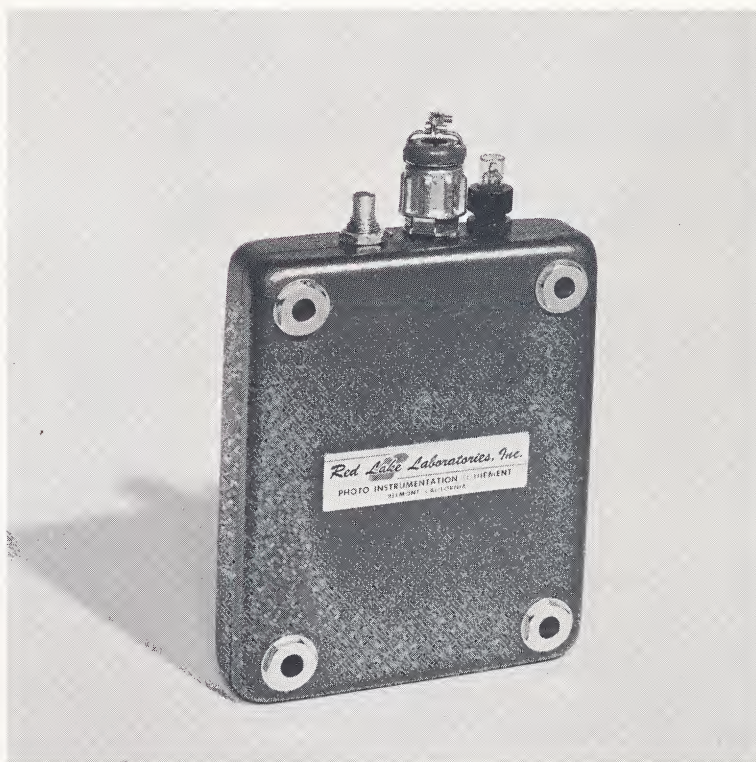
External 28-v d-c
(operable 17 to 35-v d-c)

Transistors and
zener diode

1½ by 4 by 5

1

Rugged design and construction fit the Model MMTLG-2B Red Lake MicroMilliMite Timing Light Generator for the most adverse environmental applications. Externally selectable pulse rates are 10, 100, and 1,000 cycles per second; weight is only 16 ounces.



Red Lake Labs, Inc.

PHOTO INSTRUMENTATION EQUIPMENT

Products the User Likes

2971 CORVIN DRIVE

KIFER INDUSTRIAL PARK

SANTA CLARA, CALIFORNIA 95051

(408) 739-1698